

FINANCIAL REPORT

W A T E R

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FINANCIAL REPORT
OF THE
DIVISION OF ACCOUNTS
(WATER)

February 19, 1931

To the Director of Public Affairs,
Newark, New Jersey.

Dear Sir: Attention Mr. James W. Costello, Chief Engr.

I submit herewith the Financial Report of
the Division of Accounts - Water, for the year ending
December 31st, 1930, contained in the following state-
ments:

Income Account for the year ending December
31st, 1930.

Balance sheet as at December 31st, 1930.

Respectfully,

Chief Accountant.

February 19, 1931

To the Director of Public Affairs,
Newark, New Jersey.

Dear Sir:

I submit herewith schedules supporting the Income Account and Balance Sheet presented to you on February 1, 1931, and offer the following explanation of the various schedules:

FIXED CAPITAL, \$45,049,120.06.

This schedule shows the additions to the plant and equipment during the year, the principal additions being amounts expended in:

Wanaque Reservoir (Completed in 1930)	\$14,975,000.00
Property bought in Watershed	150,200.00
60" Steel Supply Main	899,297.81
High Pressure System	10,926.70
General Distribution Mains	286,374.80
Fire Hydrants	20,494.98

\$16,342,294.29

DEPRECIATION SCHEDULE, \$4,781,518.88

This schedule shows in detail the depreciation accrued during the year on plant, \$325,523.51, based on unit rates set up by the Chief Accountant. There is also shown the amount of depreciation on each individual group at the beginning of the year. The total reserve at December 31, 1930 on plant and equipment is \$4,781,518.88 and the net depreciated cost of plant is \$40,267,601.18.

CASH, \$378,337.00.

This amount is in the hands of the City Treasurer in the General City Funds, with the exception of trust funds contained therein in amount of \$5,599.91.

CONSUMERS' ACCOUNTS RECEIVABLE, \$640,018.55.

This amount represents open accounts owing and collectable from consumers, representing verified balances on the records in the Bureau, with the exception of water and service arrears in the hands of the City Comptroller in amount of \$51,848.07, which amount is not certified.

Sinking Fund	\$ 2,685,747.15
Funded Debt	22,527,000.00
Interest on bonds for year	987,714.38

The investments are held and controlled by the Sinking Fund Commission and are verified with City Auditor Records. Opposite the several amounts in sinking fund is set the amount of bonds outstanding, arranged in order of maturity.

The funded debt was increased during 1930 by \$1,677,000.00. Sinking Fund Bonds in amount of \$100,000.00 and Serial Bonds in amount of \$392,000.00 were paid. Total amount of bonds retired during 1930, \$492,000.00. Permanent Bonds were issued in amount of \$2,169,000.00.

The interest on funded debt during year was net, \$987,714.38, being an increase of \$79,080.45 over previous year. Detail is also shown of interest accrued and not due at December 31st in amount of \$246,702.09.

TRUST FUNDS, \$5,599.91.

OPERATING REVENUE, \$2,192,315.40.

This schedule shows the volume of water delivered during the year. The operating revenue shows a decrease of \$53,335.65.

During the past year there was no let up in the activities of the Bureau with regard to service and construction work.

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The following tabulation of metered and unmetered service should be noted by all users of city water:

	Revenue Obtained	Water Consumed		Percentage of Revenue
Metered	1,866,111.43	14,813.	Mill. Gals.	85.2
Unmetered	37,380.33	280.	" "	1.7
Other Systems	252,157.03	2,853.	" "	11.5
Municipal, Miscellaneous	34,019.75	609.	" "	1.6

METERED PROPERTIES.

	Cubic Feet	Million Gallon
Domestic -		
One and two-family dwellings	428,392,000.	}
Over two-family dwellings	508,426,500.	
Non-Domestic, Industrial -		
Mills, factories, railroads	720,858,500.	}
Commercial -		
Stores, stables, office buildings	271,838,500.	}
Semi-public Buildings -		
Hospitals, private schools, churches	50,761,500.	}
Services to other systems	381,354,677.	
Municipal Water Service	75,448,000.	2,852,723 564,389.
Total	2,437,079,677	18,230,574

Unmetered -		
Private dwellings, building work, street flushing, etc.	51,970,991	388,769
Fire extinguishers, loss from burst street mains and leaks	323,448,563	2,419,557

The proportion of unmetered consumption chargeable against private dwellings has been estimated.

ACCOUNTING SYSTEM.

The accounting system presents a complete financial statement showing operating revenue, expenditure, yearly income and the surplus or deficit for that time.

CLAIMS.

There were 1115 claims for allowance filed with the Adjustment Committee on metered properties, on which adjustments amounting to \$6,700.35 were allowed. This represents an increase of 329 in number of claims filed.

The Bureau rule, requiring consumers to present proof of claim for rebate in the form of "licensed plumbers" statement" before granting any allowance, is productive of good results. Each consumer is made to realize that it is his duty to account for water consumed or wasted, and that when protesting any bill, the burden of proof is on him.

MAINS

Schedules of construction costs on high and low service mains, for labor, material and overhead charges on each job, are shown, and may be useful for estimating future capital expenditures or for comparisons with similar costs in other localities.

CONCLUSION

The employees of the Division of Accounts are to be commended for attention to work during the year.

Respectfully,

Chief Accountant.

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

December 31st, 1930

BALANCE SHEET

ASSETS

CAPITAL ASSETS

Cost of properties including land,
buildings, equipment, etc., less
depreciation at January 1, 1930
Net additions during the year less
net depreciation for year

\$24,238,347.10

16,029,254.08

\$40,267,601.18

MATERIAL AND SUPPLIES

293,930.07

CURRENT ASSETS

Accounts Receivable -

Meter Rates Uncollected	551,574.70
Unmetered Rates Uncollected	4,093.98
Municipal Uncollected	6,616.15
Tapping Mains Uncollected	24,771.13
Builders Uncollected	651.27
Water & Service Arrears (Comptroller)	51,848.07
Miscellaneous	463.25

640,018.55

Less Reserve for "Deductions"
& Doubtful Accounts

41,239.35

598,779.20

Cash in Bank

372,737.09

971,516.29

SPECIAL FUNDS

Watershed Extension Fund, Cash
Trust Funds, Cash
Wanaque Funds, Cash

.00
5,599.91
.00

5,599.91

DEFERRED CHARGES TO OPERATIONS

837.25

SUSPENSE ACCOUNT

Real Estate (Watershed)

30,640.00

SINKING FUND

2,685,747.15

\$44,255,871.85

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

December 31st, 1930

BALANCE SHEET

LIABILITIES

CAPITAL LIABILITIES

Bonded Indebtedness

22,527,000.00

CURRENT LIABILITIES

Consumers' Deposits

5,599.91

Sundry Creditors

40,408.68

Unpaid Accrued Wages

31,804.96

Interest Accrued on Bonds

246,702.09

324,515.64

REVENUE APPLICABLE TO 1931 PERIOD

3,155.37

SINKING FUND RESERVE

2,685,747.15

CORPORATE SURPLUS

Balance at January 1, 1930

18,631,895.12

ADD

Sinking Fund Bonds Paid

100,000.00

Premium on Bond Issue

31,000.00

Sinking Fund & Serial Bond
Payments

466,165.37

Amortization

325,523.51

140,641.86

Sinking Fund Payments

74,165.37

66,476.49

18,829,371.61

DEDUCT

Net Deficit from Operations
during year, as per
attached exhibit

113,917.92

18,715,453.69

44,255,871.85

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER
STATEMENT OF EARNINGS AND EXPENDITURES
For the year ending December 31, 1930.

Net Sales of Water	2,189,668.54
Miscellaneous Operating Revenue	2,646.86
	2,192,315.40

DEDUCT

Water Collecting Expenses	283,707.64	
Purification System Expenses	15,390.32	
Distribution System Expenses	483,886.26	
Commercial & New Business Expenses	199,484.40	
General & Miscellaneous Expenses	338,342.97	
Amortization - Paid into Sinking Fund (\$325,523.51)	325,523.51	663,866.48
		1,646,335.10
		545,980.30

ADD

Miscellaneous Rents, Interest and Non-Operating Revenue	9,433.30
	555,413.60

DEDUCT

Interest on Funded Debt	528,689.66
	26,723.94

DEDUCT

Regular Sinking Fund Payments	74,165.37	
Serial Bond Payments	392,000.00	466,165.37
Less Amount Provided by Amortization under General & Miscellaneous Expenses	325,523.51	
		140,641.86

To CORPORATE DEFICIT year ending
December 31, 1930

\$113,917.92

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

BALANCE SHEET

December 31, 1930

PUBLIC UTILITY FORM

ASSETS.

	Balance at Close of Year.	Net Change During Year.
Fixed Capital, December 31, 1930	45,049,120.06	16,355,149.67
Construction Work in Progress		11,147,000.00
Materials and Supplies	293,930.07	47,967.31
<u>CASH</u>		
General Funds	372,737.09	
Trust Funds	5,599.91	
	378,337.00	642,897.77
Consumers' Accounts Receivable	640,018.55	44,967.23
Prepayments (Fire Insurance)	837.25	212.41
Sinking Funds	2,655,747.15	80,527.29
Other Suspense	30,640.00	23,140.00
	<u>\$49,078,630.08</u>	<u>\$2,224,757.00</u>

LIABILITIES.

Funded Debt	22,527,900.00	1,677,000.00
Consumers' Deposits	5,599.91	5,599.91
Other Accounts Payable	40,408.63	4,374.80
Unearned Revenue (1931 Period)	3,155.37	40.94
Interest Accrued	246,752.09	26,939.38
Other Accrued Liabilities	31,804.96	23,146.21
Amortization (or Retirement) Reserve	4,781,518.88	323,895.59
Miscellaneous Reserves	2,726,986.50	81,692.65
Corporate Surplus	13,715,453.69	83,538.57
	<u>\$49,078,630.08</u>	<u>\$2,224,757.00</u>

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment Depreciation Schedule

December 31, 1930

Title of Account		Accrued to Jan. 1, 1930	Accrued dur- ing 1930	Total ac- crued to Dec. 31, 1930
112	<u>RESERVATION STRUCTURES</u>			
	Macopin Village	20,657.50	1,591.81	22,249.31
	Garage, Watershed	81.73	12.75	94.48
104	<u>WATER DIVISION RIGHTS</u>			
113	<u>IMPOUNDING RESERVOIRS</u>			
	Cost of Watershed, except Pipe Line	200,000.00	25,000.00	225,000.00
115	<u>SPRINGS & WELLS</u>			
	Driven Wells, Belleville	22,274.21		22,274.21
	Caisson Wells, Belleville	2,452.80		2,452.80
	Drilled Wells, Belleville	36,164.18		36,164.18
118	<u>INTAKES & SUPPLY MAINS</u>			
	Cost of Watershed Pipe Line (M.R. Serrera's Estimate)	400,000.00	50,000.00	450,000.00
	Butler Connections	793.09	79.31	872.40
	48" Pipe Line, Gate House, Pequannock	105,447.73	27,306.98	132,754.71
124	<u>CHEMICAL TREATMENT PLANT</u>			
	Chlorine Feeding Apparatus	4,591.13	935.19	5,526.32
127	<u>FEEDING STATION STRUCTURES</u>			
	Belleville Chimney	10,056.25		10,056.25
	Belleville Riverwall & Dock	263,913.84	548.29	264,467.13
135	<u>STORAGE RESERVOIRS, TANKS & STAFFINGS</u>			
	Belleville Keeper's House	3,168.85	70.00	3,238.85
	Belleville Receiving Reservoir	90,777.37	4,512.18	95,289.55
	Belleville Fence	230.02	115.01	345.03
	Belleville Reservoir Appurtenances	1,428.71	19.14	1,447.85
	So. Orange Av. S.P. Reservoirs	61,547.87	2,867.83	64,415.70
	Keeper's House - So. 9th St.	1,237.52	69.38	1,306.90
	Cedar Grove Reservoir Fence	8,293.14	1,382.19	9,675.33
	Keeper's House & Laboratory & Road	2,257.45	66.69	2,324.14
	Cedar Grove Water System	692.79		692.79
	Cedar Grove Garage	129.68	13.14	142.82

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1930

P.F. a/o	Title of Account	Balance at beginning of year 1930	Additions during 1930	Deductions during 1930	Balance December 31, 1930
104	<u>WATER DIVERSION RIGHTS</u>	1,500.00			1,500.00
105	<u>RESERVATION LAND</u>				
	Watershed Extension Fund	2,294,838.41	150,200.00		2,445,038.41
	New Storage Reservoir	124,527.97			124,527.97
	Exchanged for Water	116,280.00			116,280.00
	Bureau of Water Revenue	59,851.00			59,851.00
	Searches on Land	17,148.67	754.05		17,902.72
106	<u>OTHER SOURCES OF SUPPLY LAND</u>				
	Driven Wells, Belleville	1,693.92			1,693.92
108	<u>PUMPING SYSTEM LAND</u>				
	Pump House, Belleville	11,883.64			11,883.64
109	<u>STORAGE RESERVOIR LAND</u>				
	Belleville Reservoir	1.00			1.00
	Surrounding Belleville Reservoir	12,000.00			12,000.00
	Ferris Property, Belleville	14,175.00			14,175.00
	Surrounding So. Orange Ave.				
	High Pressure Reservoir	1.00			1.00
110	<u>OTHER DISTRIBUTION SYSTEM LAND</u>				
	Right of way - Slingerland and DeBow	1,200.00			1,200.00
	Right of Way - Belleville #1	450.00			450.00
	Right of Way - Belleville #2	728.35			728.35
	Improvements along Pipe Line at Montclair	2,767.00			2,767.00
	Strip, Central Av. and Hooker St.	1.00			1.00
112	<u>RESERVATION SITE TRUSTS</u>				
	Macopin Village	79,590.53			79,590.53
	Green Park Road	21,447.14			21,447.14
	Forestry	7,294.19			7,294.19
	Garage - Watershed	637.38	75.77		993.15

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1930

P.U. a/c	Title of Account	Balance at beginning of year 1930	Additions during 1930	Deductions during 1930	Balance December 31, 1930
104	<u>WATER DIVERSION RIGHTS</u>				
113	<u>IMPOUNDING RESERVOIRS</u>				
	Cost of Watershed, except Pipe Line	3,529,210.34			3,529,210.34
	Searches	2,738.00			2,738.00
	Possibilities Accruing from Watershed	5,780,431.33			5,780,431.33
113	Echo Lake Dam	339,834.21			339,834.21
	Raising Dam - Oak Ridge	671,733.89			671,733.89
	Auxiliary Dam, Charlotte- burg, etc.	18,302.10			18,302.10
	New Charlotteburg Dam	22,372.53			22,372.53
	Raising Overflow, Clinton Reservoir	7,072.28			7,072.28
	Canistota Channel	8,068.88			8,068.88
	Canastota Reservoir		14,975,000.00		14,975,000.00
	Preliminary cost of fur- nishing added Water Supply		15,000.00		15,000.00
115	<u>SPRINGS & WELLS</u>				
	Driven Wells, Belleville	22,275.21			22,275.21
	Caisson Wells, Belleville	2,453.80			2,453.80
	Drilled Wells, Belleville	36,165.18			36,165.18
118	<u>INTAKE AND SUPPLY MAINS</u>				
	Cost of Watershed Pipe Line (W.R. Sherrard's Estimate)	2,500,000.00	128.02		2,500,128.02
	Butler Connections	3,965.48			3,965.48
	48" Pipe Line - Gate House, Pecanook	132,755.71			132,755.71
119	<u>SETTLING BASINS</u>				
	Settling Basins, Belleville	1.00			1.00
124	<u>CHEMICAL TREATMENT PLANT</u>				
	Chlorine Feeding Apparatus	9,351.90			9,351.90
127	<u>PUMPING STATION DISCHARGE</u>				
	Belleville Chimney	10,057.25			10,057.25
	Belleville Riverwall & Dock	266,111.99			266,111.99

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1930

P.U. a/c	Title of Account	Balance at beginning of year 1930	Additions during 1930	Deductions during 1930	Balance December 31, 1930
135	<u>STORAGE RESERVOIRS, TANKS & STAND PIPES</u>				
	Belleville Kepper's House	5,338.85			5,338.85
	Belleville Receiving Res.	149,435.73			149,435.73
	Belleville Fence	1,150.09	1,400.00		2,550.09
	Belleville Res. Appurtenances	1,620.09	2,600.90		4,220.99
	So. Orange Av. H.P. Reservoir	98,829.62			98,829.62
	Keeper's House - 9th St.	3,318.80			3,318.80
	Cedar Grove Reservoir	1,186,684.94			1,186,684.94
	Cedar Grove Res. Fence	13,821.90			13,821.90
	Keeper's House, Laboratory and Pond	2,924.32			2,924.32
	Cedar Grove Water System	692.79			692.79
	Cedar Grove Garage	628.80	611.27		1,240.07
136	<u>DISTRIBUTION MAINS AND ACCESS- ORIES</u>				
	High Pressure System	968,440.20	10,926.70		979,366.90
	L.P. Distribution Mains General	7,680,890.06	286,206.62	28,345.35	7,938,751.33
	Pitometer Boxes	79,675.39	168.18		79,843.57
	60" Steel Pipe Line	585,000.00			585,000.00
	36" Cast Iron Pipe Line	215,000.00			215,000.00
	60" Steel Supply Main #1	468,779.40	3,033.38		468,812.78
	60" Steel Supply Main #2	18,989.07	896,264.43		915,253.50
139	<u>FIRE HYDRANTS & FIRE CISTERNS</u>				
	High Pressure Hydrants	99,359.76	2,095.81		101,455.57
	Low Pressure Hydrants	353,753.03	18,399.17		372,152.20
141	<u>GENERAL IMPROVEMENTS</u>				
	Land, West Side of Bloom- field Av. & No. 6th St.	2,300.00			2,300.00
	Pecunack Gate House Bldg., 5th & 6th Sts.	28,459.42			28,459.42
	8th St. Stable	37,535.74			37,535.74
	Land between No. 8 & 9 Sts.	2,000.00			2,000.00
	Land for Stable & Pipe Yard, No. 4th St. & 14th Ave.	11,000.00			11,000.00
	Land - West Side Summer Av.	4,000.00			4,000.00
	New Meter Testing Station	48,187.93			48,187.93
	Land - Wilson Ave.	20,565.00			20,565.00
	Land - Stockton St.	750.00			750.00
	Improvements - Wilson Ave.	12,955.38			12,955.38
	Franklin St.	14,500.00			14,500.00
	Property for Garage, Vroom Alley, etc.	101,484.10			101,484.10
	Garage Improvements	15,919.14			15,919.14
	Cedar Grove Laboratory	40,688.70			40,688.70

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

Plant and Equipment

December 31, 1930

P.U. a/c	Title of Account	Balance at beginning of year 1930	Additions during 1930	Deductions during 1930	Balance December 31, 1930
<u>142 MISCELLANEOUS EQUIPMENT</u>					
A	General Office Equipment	53,553.32	2,057.11	323.00	55,287.43
B	General Shop Equipment	66,249.24	11,335.90	1,589.67	75,995.47
D	Transportation Equip- ment, Stable	1,373.90	1,446.00		3,319.90
D	Transportation Equip- ment, Garage	145,940.04	17,925.29	10,500.91	153,364.42
E	Miscellaneous Equip- ment, Laboratory	3,758.32			3,758.32
<u>143 OTHER TANGIBLE WATER CAPITAL</u>					
	Engineers' Maps & Records	20,000.00			20,000.00

228,693,970.39 16,395,908.60 40,758.93 204,9120.06

WATER MAIN EXTENSION FUND

Balance, January 1, 1930		.00
Bond Issue	125,000.00	
Transferred from General Funds	<u>98,210.11</u>	223,210.11
Reservations		<u>223,210.11</u>
Balance, January 1, 1931		.00

TRUST FUNDS

Receipts

Balance, January 1, 1930		11,491.06
Duplicate Payments	2,498.66	
Construction	20,535.00	
Hydrant Reducers	30.00	
Miscellaneous	425.00	
Interest	<u>158.95</u>	23,647.61
		<u>35,138.67</u>

Disbursements

Duplicate Payments	2,423.66	
Construction	22,410.00	
Miscellaneous	4,525.00	
Reducers	10.00	
Interest Transferred	<u>170.10</u>	29,538.76
Balance, January 1, 1931		<u>5,599.91</u>

MANAGUE FUND

Balance, January 1, 1930		854,766.02
Bond Issue		<u>575,000.00</u>
		1,429,766.02
Interest on Bonds	601,835.36	
No. Jersey Dist. Water Supply Comm.	<u>827,930.66</u>	1,429,766.02
Balance, January 1, 1931		.00

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

RESERVES

AMORTIZATION RESERVE

Balance at beginning of year 1930		4,455,623.29
<u>ADD</u>		
Accrued during year per Chief Accountant		325,523.51
Reserve Miscellaneous Equipment		28,609.62
Total Credits		<u>\$4,809,756.42</u>
<u>DEDUCT</u>		
Relaying Mains	17,570.96	
Miscellaneous Equipment	10,666.58	
		<u>28,237.54</u>
Balance at close of year		<u><u>\$4,781,518.88</u></u>

CONTRACTUAL RESERVES SINKING FUND

Balance at beginning of year 1930		2,605,219.86
<u>ADD</u>		
Payments to December 31, 1930		74,165.37
Earnings to December 31, 1930		106,361.92
Total Credits		<u>\$2,785,747.15</u>
Deduct Bonds Paid		<u>100,000.00</u>
Balance at close of year		<u><u>\$2,685,747.15</u></u>

MISCELLANEOUS RESERVES

For		
Deductions on Prepaid Water Bills		12,700.00
Doubtful & Uncollectable Accounts		19,373.98
Balance at beginning of year 1930		<u>\$ 32,073.98</u>
<u>ADD</u>		
Reserve for 1931 Deductions		19,601.55
Reserve for Doubtful Accounts		3,000.00
Total Credits		<u>\$ 54,675.53</u>
<u>DEDUCT</u>		
Allowance on 1929 bills (in 1930)	12,700.00	
Doubtful Accounts	736.18	
		<u>13,436.18</u>
Balance at close of year		<u><u>\$ 41,237.75</u></u>

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

COMPARATIVE INCOME ACCOUNT

December 31, 1930

Item (or Account)	Amount Applicable to the year.	Comparison with preceding year.
<u>Items</u>	<u>Totals</u>	<u>Increase - (Black)</u> <u>Decrease - (Red)</u>
Water Operating Revenue	2,192,315.40	
Water Operating Revenue Deductions	1,646,335.10	180,464.29
Water Operating Income	545,980.30	233,799.94
<u>Other Operating Income</u>		
Miscellaneous Rent Revenues	4,397.00	
Other Interest Revenues	1,089.62	
Other Non-Operating Revenues	3,946.68	
Total Miscellaneous Income	9,433.30	3,379.87
Gross Corporate Income	555,413.60	230,420.07
<u>Deductions from Gross Income</u>		
Interest on Long Term Debt	528,689.66	
Miscellaneous Deductions	140,641.86	
Total Deductions	669,331.52	290,050.98
Net Corporate Deficit for Year	113,917.92	520,471.05

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

COMPARATIVE INCOME ACCOUNT

December 31, 1930

Item (or Account)	Amount Applicable to the year.	Comparison with preceding year.
<u>Items</u>	<u>Totals</u>	<u>Increase-(Black) Decrease-(Red)</u>
Water Operating Revenue	2,192,315.40	
Water Operating Revenue Deductions	1,646,335.10	180,464.29
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<u>Other Operating Income</u>		
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Other Interest Revenues	1,089.62	
Other Non-Operating Revenues	3,946.68	
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Total Deductions	669,331.52	290,950.98
Net Corporate Deficit for Year	113,917.92	520,471.05

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER
OPERATING EXPENSES

1. Water Collecting Expenses

411	<u>Collecting System Wages</u>		
	(a) Collecting System Superintendence	8,215.70	
	(b) Collecting System Labor	144,207.13	
			152,422.83
412	<u>Other Collecting System Expenses</u>		32,595.79
413	<u>Water Purchased</u>		88,558.18
415	<u>Collecting System Repairs</u>		
	(a) Repairs of Reservations	9,748.86	
	(g) Repairs of Intakes and Supply Mains	381.98	
			10,130.84
	Total Water Collecting Expenses		283,707.64

2. Purification System Expenses

421	<u>Purification Wages</u>		
	(a) Purification Superintendence	5,711.36	5,711.36
422	<u>Purification Supplies & Expenses</u>		9,191.91
425	<u>Purification System Repairs</u>		
	(f) Repairs of Chemical Treatment Plant	487.05	487.05
	Total Purification System Expenses		15,390.32

3. Distribution System Expenses

461	<u>Water Storage & Distribution</u>		
	(a) Distribution Superintendence	11,899.85	
	(b) Storage Reservoir Labor	48,184.26	
	(c) Other Distribution Labor	173,220.61	
	(d) Other Distribution Expenses	12,334.02	
			245,638.74
462	<u>Work on Consumers' Premises</u>		
	(a) Consumers' Meter Expenses	10,231.94	
	(b) Consumers' Installation Expenses	14,699.38	
			24,931.32
466	<u>Repairs of Storage Reservoirs</u>		2,109.92
467	<u>Repairs of Mains & Accessories</u>		
	(b) Repairs of Distribution Mains	37,398.17	
	(c) Repairs of Consumers' Services	91,995.69	
	(d) Repairs of Fire Hydrants & Cisterns	29,601.65	
	(e) Miscellaneous Distribution Repairs	102.74	
			159,098.25
468	<u>Repairs of Consumers' Meters</u>		52,108.03
	Total Distribution System Expenses		483,886.26

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

OPERATING EXPENSES

4. Commercial & New Business Expenses

470 Commercial Expenses

(a)	Commercial Office Salaries	68,671.35
(b)	Meter Reading & Collecting	119,220.62
(c)	Other Commercial Expenses	11,592.43

Total Commercial & New Business Expenses

199,484.40

5. General & Miscellaneous Expenses

481	<u>Salaries of General Officers</u>	84,100.36
482	<u>Other General Office Salaries</u>	81,541.40
483	<u>General Office Supplies & Expenses</u>	14,537.87
484	<u>Law Expenses</u>	2,603.26
485	<u>Injuries and Damages</u>	8,110.73
486	<u>Insurance</u>	1,057.47
487	<u>Relief Department and Pensions</u>	2,730.00
490	<u>Store & Transportation Expenses</u>	
	(a) Store Expenses	31,861.69
	(b) Transportation Expenses	41,674.38
		73,536.07
493	<u>Repairs of General Structures</u>	2,674.58
494	<u>General Amortization</u>	325,523.51

Total General & Miscellaneous Expenses

596,415.25

Total Operating Expenses

\$1,578,883.87

495 Taxes

64,451.23

496 Uncollectible Water Bills

3,000.00

Total Revenue Deductions

\$1,646,335.10

DEPARTMENT OF PUBLIC AFFAIRS
DIVISION OF ACCOUNTS - WATER

OPERATING EXPENSES

4. Commercial & New Business Expenses

470 Commercial Expenses

(a)	Commercial Office Salaries	68,671.35
(b)	Meter Reading & Collecting	119,220.62
(c)	Other Commercial Expenses	11,592.43

Total Commercial & New Business Expenses

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		73,536.07
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Total General & Miscellaneous Expenses

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Total Operating Expenses

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64,451.23

496 Uncollectible Water Bills

3,000.00

Total Revenue Deductions

\$1,646,335.10

MISCELLANEOUS DATA

Pequannock

Municipally owned plant. The water supply portion embraces storage reservoirs on the Pequannock River in Morris, Passaic and Sussex Counties, with main conduits to the city. This portion of plant was constructed under legislative authority by contract made in 1889 with the East Jersey Water Company for \$6,000,000.00. This contract contained restrictions regarding the territory which could be supplied from the Pequannock plant, and under this contract the City of Newark can only supply the present and future limits of the City of Newark and the then existing Townships of Belleville, South Orange, East Orange and Clinton. The Court has decided this contract contrary to Public Policy.

Wanaque

Wanaque Supply is owned jointly by Newark and other municipalities, Newark's cost being \$14,975,000.00, entitling the City to 40,500,000 gallons of water a day. The Reservoir was begun in 1919 and finished March 20, 1930. Connection to Newark City Water Mains was made by the Division of Water Engineers July 5, 1930.

All hydrants for municipal use are free.

Regular meter rates changed in 1914, effective January 1, 1915, as follows:

Minimum rate, \$6.00 per annum or \$1.50 per quarter for 500 cubic feet. Above 500 cubic feet \$1.00 per thousand.

When bills are paid within thirty days from the first day of the quarter for which they are rendered, the following discounts on sums above the minimum charge of \$6.00 will be allowed: 2 per cent for each \$100. annual payment, 4 per cent for each \$200. and so on

until \$2,000., or the maximum discount of forty per cent is attained.

High Pressure and out-of-town rates, \$2.00 first 500 cubic feet, \$1.33 $\frac{1}{3}$ for each 1,000 cu. ft. additional.

Playground Commission, minimum \$1.50, regular 45¢ per 1000 cu. ft.

Board of Education, minimum \$1.50, regular 45¢ per 1000 cu. ft., other schools, 60¢ per 1000 cu. ft.

Hospitals and benevolent institutions, 20¢ per 1000 cu. ft.

Town of Belleville, regular 60¢ per 1000 cu. ft.

Large special sales to other municipalities, \$90.00 per 1,000,000 gallons.

DEPARTMENT OF PUBLIC AFFAIRS

DIVISION OF ACCOUNTS - WATER

SOURCES OF WATER SUPPLY

Source	Number of Intakes	Depth of Intake below surface of water.	Kind of Conduits	Size of Conduits	Capacity of Reservoirs
Pequannock Impounding Reservoirs	2	12 feet	Riveted Steel	1 - 48"	23 Million Gallons
	4			1-48" x 42"	

DRAINAGE AREA.

Total number of square miles, 63.7

Area of land owned for protection of supply, 52.37 miles - 82.21 per cent of Watershed.

RESERVOIRS, STORAGE TANKS & STANDPIPES.

Classification	No. at close of year.	Construction Material	Open or Closed	Capacity
* Wanaque Reservoir	1	Earth Dam, Concrete Core	Open	27,800. M.G.
Collecting Reservoirs	4	Earth Dam, Concrete Core	Open	11,405. M.G.
Storage Reservoirs (Distribution)	1	Earth Dam, Concrete Core	Open	678.7 M.G.
	2	Masonry and Earth Bank	Open	23. M.G.

* Newark's share - 40.5 million gallons daily

PURIFICATION SYSTEM.

Sedimentation

Cedar Grove Reservoir, holding about thirteen days' supply acts as a Sedimentation Basin. The outlet gatehouse is arranged so that the reservoir can be by-passed and the supply drawn directly from the Watershed. There are two inlets, one near the southern end and the other near the northeast corner. The outlet gatehouse is on the west side. The area of Cedar Grove Reservoir is 100 acres and its capacity is 678.7 million gallons.

Purification

Chlorination plants have been installed at Macopin Intake and Cedar Grove Reservoir.